

Message

---

**From:** Rumrill, Nancy [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=ECC4D19E0739473E8D3B141813288234-NRUMRILL]  
**Sent:** 3/7/2019 12:26:22 AM  
**To:** Dan Johnson [DanJohnson@florencecopper.com]  
**CC:** Coffman, Joel [Coffman.Joel@epa.gov]; Rao, Kate [Rao.kate@epa.gov]  
**Subject:** FC Temperature Logging results for wells R-07 and R-08

Hi Dan,

These are our comments on R-07 and R-08 Temperature Logging results that you provided in the February 15, 2019 letter. There are no significant anomalies in the temperature records of either well and no indication of fluid movement in the cemented annulus of each well. Therefore, Part 2 mechanical integrity is confirmed in both wells based on the temperature logs run in the R-07 and R-08 wells on February 1, 2019.

Some items are missing per the EPA Region 9 Temperature Logging Requirements as provided in Appendix D of the permit. The logs lack headings and the pertinent information usually provided in the headings such as well name, location, elevations, dates, total shut-in times, etc. The right-hand tracks of each log omit the required differential temperature plots. The left-hand track omits the collar locator log. The depth to the base of the lowermost USDW is not provided. However, the most critical information about the logs was provided in the February 15, 2019 letter from Florence Copper. Those missing components of the temperature log should be added to temperature logs run in the future.

Thanks, Nancy

~~~~~

Nancy Rumrill ([rumrill.nancy@epa.gov](mailto:rumrill.nancy@epa.gov))  
Drinking Water Protection Section (WTR-3-2)  
US EPA, Region IX  
75 Hawthorne St.  
San Francisco, CA 94105  
Phone (415) 972-3293